

Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
07334-004007Application No.
09/454,854**Information Disclosure Statement
by Applicant**

(Us several sheets if necessary)

(37 CFR §1.98(b))

Applicant
Andrew W. ShyjanFiling Date
December 7, 1999Group Art Unit
1655

10973 U.S. PTO

09/892942

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	GenBank Accession No. N42635, Hillier et al., January 25, 1996.
	AR	GenBank Accession No. N32151, Hillier et al., January 10, 1996.
	AS	GenBank Accession No. N24756, Hillier et al., December 28, 1995.
	AT	GenBank Accession No. N24164, Hillier et al., December 28, 1995.
	AU	GenBank Accession No. H98055, Hillier et al., December 12, 1995.
	AV	GenBank Accession No. N22835, Hillier et al., December 28, 1995.

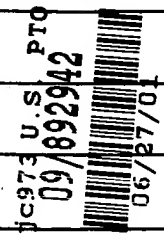
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	Applicant Andrew W. Shyjan			
	Filing Date December 7, 1999		Group Art Unit 1655	



U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,487,985	1/30/96	McCelland et al.	435	91.2	
	AB	5,565,340	10/15/96	Chenchik et al.	435	91.2	
	AC	5,674,739	10/7/97	Shyjan	435	252.3	
	AD	5,633,161	5/27/97	Shyjan	435	325	
	AE	5,710,137	1/20/98	Fisher	514	44	
	AF	5,837,845	11/17/98	Hosokawa et al.	536	23.53	
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	WO 93/22424	11/11/93	PCT				
	AM	WO 86/03226	6/5/86	PCT				
	AN	WO 92/21781	12/10/92	PCT				
	AO	WO 95/05470	2/23/95	PCT				
	AP	WO 92/15602	9/17/92	PCT				
	AQ	WO 94/21115	9/29/94	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AR	Barton et al., "Protein Sequence Alignment and Database Scanning In Protein Structure Prediction" IRL Press at Oxford University, pgs. 31-63, 1996
	AS	Boeringer Mannheim Biochemicals, 1991 Catalog.
	AT	Bowie et al., "Deciphering the Message in Protein Sequences; Tolerance to Amino Acid Substitutions" Science 247:1306, 1990.
	AU	Burgess et al., "Possible Dissociation of the Heparin-binding and Mitogenic Activities..." J. Cell. Biol. 111:2129, 1990.

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06/27/01

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AV	George et al., "Current Methods in Sequence Comparison and Analysis In Macromolecular Sequencing and Synthesis, Selected Methods and Applications, pgs. 127-149, 1988.
	AW	Fradet et al., "Cell Surface of Human Bladder Cancer Defined by Mouse Monoclonal Antibodies" Proc. Nat'l. Acad. Sci. USA 81:224, 1984.
	AX	Harris et al., "Seminal Vesicle Secretion IV Gene; Allelic Difference Due to a Series of..." Proc. Nat'l. Acad. Sci. USA 80:6460, 1983.
	AY	Hillier et al., Accession No. N24756, December 28, 1995.
	AZ	Kahana et al., "Nucleotide Sequence of Murine Ornithine Decarboxylase mRNA" Proc. Nat'l. Acad. Sci. USA 82:1673, 1985.
	AAA	Lazar et al., "Transforming Growth Factor alpha: Mutation of Aspartic Acid 47 and Leucine..." Mol. Cell. Biol. 8:1247, 1988.
	ABB	Lewis et al., "The Sequence of the Kluyveromyces Lactis BiP Gene" Nucl. Acids. Res. 18:6438, 1990.
	ACC	Rieger et al., "Glossary of Genetics and Cytogenetics, Classical and Molecular" Springer-Verlag, Berlin, 4 th Edition, 1976.
	ADD	Schwartz et al., "A Superactive Insulin: [B10-Aspartic Acid] Insulin(Human)" Proc. Nat'l. Acad. Sci. USA 84:6408, 1987.
	AEE	Stratagene Catalog, page 39, 1988.
	AFF	Wang et al., "Identification and Molecular Cloning of Tactile" J. of Immun. 148(8):2600-2608, 1992.
	AGG	Zubay, G., Biochemistry, pg. 912, Addison Esley Publishing Co., Reading, MA, 1984.

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SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
07334/004005SERIAL NO.
09/181,030INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
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(37 CFR 1.98(b))

APPLICANT
Andrew W. ShyjanFILING DATE
October 27, 1998

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5	2	6	2	3	2	1	11/16/93	Livingston et al.	435	240.2	
	AB	5	4	5	7	0	4	9	10/10/95	Giordano	435	252.33	
	AC	5	4	7	0	9	7	0	11/28/95	Sager et al.	536	23.5	
	AD	5	4	9	1	0	6	4	02/13/96	Lichy et al.	435	6	
	AE	5	4	9	6	7	3	1	03/05/96	Xu et al.	435	320.1	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AF	WO 96/27603		PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	AG	Duncan et al. "Fomy030 expression in melanocytic proliferations" Melanoma Res. 7(1):S7, 1997.
	AH	Fidler, I.J., 1973, "Selection of Successive Tumor Lines for Metastasis," <i>Nature New Biol.</i> 242:148-149.
	AI	Fodde, R., et al., 1994, "A targeted chain-termination mutation in the mouse <i>APC</i> gene results in multiple intestinal tumors," <i>Proc. Natl. Acad. Sci. USA</i> 91:8969-8973.
	AJ	Folkman, J. and Klagsburn, M., 1987, "Angiogenic Factors," <i>Science</i> 235:442.
	AK	Hiller et al., "AC No. N42635. Homosapiens cDNA clone 270851" EMBL Sequence Database, Heidelberg, Germany January 28, 1996.
	AL	Hiller et al., "AC No. N42983. Homosapiens cDNA clone 270601" EMBL Sequence Database, Heidelberg, Germany, January 28, 1996.

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SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 07334/004005		SERIAL NO. 09/181,030	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT Andrew W. Shyjan		GROUP	
				FILING DATE October 27, 1989			

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

BA	Hodgkinson, C.A., et al., 1993, "Mutations at the Mouse Microphthalmia Locus Are Associated with Defects in a Gene Encoding a Novel Basic-Helix-Loop-Helix-Zipper Protein," <i>Cell</i> 74:395-404.
BB	Karmali, R.A., et al., 1993, "Prostaglandins in breast cancer: Relationship to disease stage and hormone status," <i>Br. J. Cancer</i> 48:689-696.
BC	Karmali, R.A., et al., 1987, "The Effects of Dietary ω -3 Fatty Acids on the DU-145 Transplantable Human Prostatic Tumor," <i>Anticancer Res.</i> 7:1173-1180.
BD	Kozlowski, J.M., et al., 1984, "Metastatic Behavior of Human Tumor Cell Lines Grown in the Nude Mouse," <i>Cancer Research</i> 44:3522-3529.
BE	Leder, A., et al., 1986, "Consequences of widespread deregulation of the C-MYC gene in transgenic mice: multiple neoplasms and normal development," <i>Cell</i> 45:485-495.
BF	Leone, A., et al., 1991, "Reduced Tumor Incidence, Metastatic Potential, and Cytokine Responsiveness of nm23-Transfected Melanoma Cells," 65:25-35.
BG	Liotta, L.A., et al., 1991, "Cancer metastasis and angiogenesis: an imbalance of positive and negative regulation," <i>Cell</i> 64:327.
BH	Mintz, B., and Silvers, W.K., 1993, "Transgenic mouse model of malignant skin melanoma," <i>Proc. Natl. Acad. Sci. USA</i> 90:8817-8821.
BI	Morikawa K., et al., 1988, "In Vivo Selection of Highly Metastatic Cells from Surgical Specimens of Different Primary Human Colon Carcinomas Implanted into Nude Mice," <i>Cancer Research</i> 48:1943-1948.
BJ	Qian, F., et al., 1994, "Expression of the Integrin α 4 β 1 on Melanoma Cells Can Inhibit the Invasive Stage of Metastasis Formation," <i>Cell</i> 77:335-347.
BK	Rose, D.P., et al., 1993, "Effects of Dietary Omega-3 Fatty Acids on Human Breast Cancer Growth and Metastases in Nude Mice," <i>J. Natl. Cancer Inst.</i> 85:1743-1747.
BL	Schrier, P.I., et al., 1983, Expression of Class 1 major histocompatibility antigens switched off by highly oncogenic adenovirus 12 in transformed rat cells," <i>Nature</i> 305:771.
BM	Steeg, P.S., et al., 1988, "Evidence for a Novel Gene Associated With Low Tumor Metastatic Potential," <i>J. Natl. Cancer Inst.</i> 80:200-204.

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GROUP

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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

CA	Tanaka et al., "Construction of a Human Cytochrome c Gene and Its Functional Expression in <i>Saccharomyces cerevisiae</i> ", <i>J. Biochem.</i> , <u>103</u> :954-961 (1988).
CB	Van der Bruggen, P., et al., 1991, "A Gene Encoding an Antigen Recognized by Cytolytic T Lymphocytes on a Human Melanoma," <i>Science</i> <u>254</u> :1643-1667.
CC	Vogelstein, B., and Kinzler, K.W., 1993, "The Multistep Nature of Cancer," <i>Trends Genet.</i> <u>9</u> :138-141.
CD	Watts C.K., et al., 1994, "Antiestrogen regulation of cell cycle progression and cyclin D1 gene expression in MCF-7 human breast cancer cells," <i>Breast Cancer Res. Treat.</i> <u>31</u> :95-105.
CE	Wilson et al., "2.2 Mb of contiguous nucleotide sequence from chromosome III of <i>C. elegans</i> ", <i>Nature</i> , <u>368</u> :32-38 (1994).
CF	Zou, Z., et al., 1994, "Maspin, A Serpin with Tumor-Suppressing Activity in Human Mammary Epithelial Cells," <i>Science</i> <u>263</u> :526-529.

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